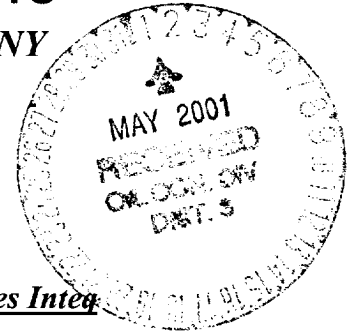




Cross Timbers Operating Company

TABULATION OF DEVIATION TESTS

CROSS TIMBERS OPERATING COMPANY



See Attached Survey Data as obtained by Baker Hughes Inteq

BHL 641 FNL, 849 FEL "A"

A F F I D A V I T

THIS IS TO CERTIFY that to the best of my knowledge the above survey details the deviation tests taken on CROSS TIMBERS OPERATING COMPANY'S

*Ute Indians "A" #33 in Section 3, T31N, R14W,
API #30-045-30490
San Juan County, New Mexico.*

Signed

Printed Name

Jeffrey W. Patton

Title

Drilling Engineer

THE STATE OF NEW MEXICO)

) SS.

COUNTY OF SAN JUAN)

BEFORE ME, the undersigned authority, on this day personally, Jeffrey W. Patton, known to me to be Drilling Engineer for Cross Timbers Operating Company and to be the person whose name is subscribed to the above statement, who, being by me duly sworn on oath, states that he has knowledge of the facts stated herein and that said statement is true and correct.

SUBSCRIBED AND SWORN to before me, a Notary Public in and for said County and State this 30th day of April, 2001.

Notary Public

My Commission Expires:

S:\Forms\Deviation Tests

9-1-2004

CROSS TIMBERS OPERATING CO.

Ute Indians A-33

slot #1

SAN JUAN COUNTY, NEW MEXICO

SURVEY LISTING

by
Baker Hughes INTEQ

Your ref : MWD Survey
Our ref : svy1580
License :

Date printed : 20-Apr-2001
Date created : 5-Mar-2001
Last revised : 4-Apr-2001

Field is centred on n36 46 47.000,w108 4 44
Structure is centred on n37 0 0.000,w108 10 0

Slot location is n37 0 0.000,w108 10 0.000
Slot Grid coordinates are N 2183440.074, E 402661.435
Slot local coordinates are 0.00 N 0.00 E

Projection type: mercator - New Mexico West (3003), Spheroid: Clarke - 1866

Reference North is True North



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200/N 700/E

BHL 64137/N 848.87/E

Measured Depth	Inclin. Degrees	Azimuth Degrees	True Vert Depth	RECTANGULAR COORDINATES		Dogleg Deg/100ft	Vert Sect
0.00	0.00	0.00	0.00	0.00 N	0.00 E	0.00	0.00
350.00	0.00	0.00	350.00	0.00 N	0.00 E	0.00	0.00
420.00	0.50	290.00	420.00	0.10 N	0.29 W	0.71	-0.01
486.00	0.80	238.80	486.00	0.04 S	0.95 W	0.94	0.33
548.00	2.00	218.80	547.98	1.10 S	2.00 W	2.06	1.68
609.00	3.10	210.80	608.91	3.35 S	3.51 W	1.89	4.29
671.00	4.20	213.30	670.79	6.69 S	5.62 W	1.79	8.12
733.00	5.60	208.40	732.56	11.25 S	8.30 W	2.35	13.29
796.00	6.00	210.80	795.24	16.78 S	11.45 W	0.74	19.54
860.00	6.50	207.40	858.86	22.87 S	14.83 W	0.97	26.38
923.00	7.70	195.30	921.38	30.11 S	17.58 W	3.03	34.12
986.00	8.80	197.60	983.72	38.77 S	20.16 W	1.82	43.15
1049.00	8.70	204.30	1045.99	47.71 S	23.57 W	1.62	52.71
1144.00	7.90	202.40	1140.00	60.29 S	29.02 W	0.89	66.37
1207.00	9.70	193.90	1202.26	69.45 S	31.94 W	3.52	75.98
1271.00	9.70	188.80	1265.34	80.01 S	34.06 W	1.34	86.67
1366.00	10.00	188.80	1358.94	96.07 S	36.55 W	0.32	102.70
1429.00	11.00	195.30	1420.89	107.27 S	38.97 W	2.46	114.09
1527.00	11.90	192.30	1516.94	126.16 S	43.59 W	1.10	133.47
1619.00	12.40	191.60	1606.88	145.11 S	47.60 W	0.57	152.71
1714.00	13.60	198.60	1699.45	165.69 S	53.21 W	2.08	174.01
1809.00	13.80	200.00	1791.74	186.92 S	60.65 W	0.41	196.51
1903.00	13.10	199.30	1883.16	207.51 S	68.01 W	0.76	218.37
2093.00	11.80	199.00	2068.69	246.20 S	81.45 W	0.69	259.32
2187.00	11.00	200.00	2160.84	263.72 S	87.65 W	0.88	277.90
2281.00	10.70	201.00	2253.16	280.29 S	93.84 W	0.38	295.58
2375.00	11.40	199.00	2345.41	297.22 S	99.99 W	0.85	313.59
2457.00	11.30	199.00	2425.81	312.48 S	105.25 W	0.12	329.73
2503.00	11.40	199.00	2470.91	321.04 S	108.19 W	0.22	338.78
2597.00	11.50	197.75	2563.04	338.75 S	114.07 W	0.28	357.44
2693.00	10.30	196.63	2657.31	356.09 S	119.45 W	1.27	375.59
2787.00	10.00	197.65	2749.83	371.92 S	124.33 W	0.37	392.15
2850.00	9.70	198.20	2811.91	382.17 S	127.64 W	0.50	402.92
2945.00	9.30	201.00	2905.60	396.94 S	132.89 W	0.64	418.59
3039.00	9.20	200.00	2998.38	411.09 S	138.19 W	0.20	433.69
3132.00	8.90	199.40	3090.22	424.86 S	143.12 W	0.34	448.32



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3194.00	8.90	199.20	3151.48	433.92 S	146.29 W	0.05	457.91
3245.00	8.90	199.00	3201.86	441.37 S	148.87 W	0.06	465.80



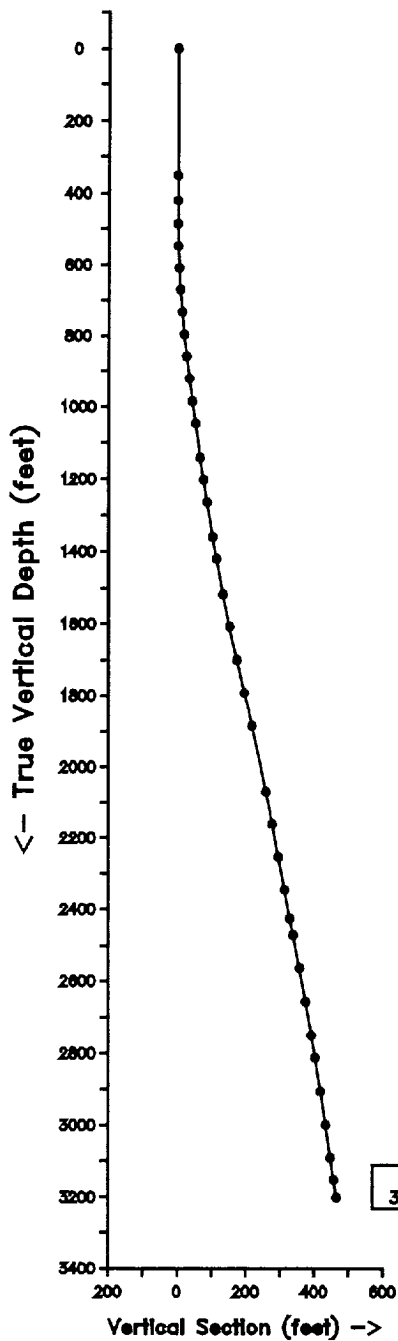
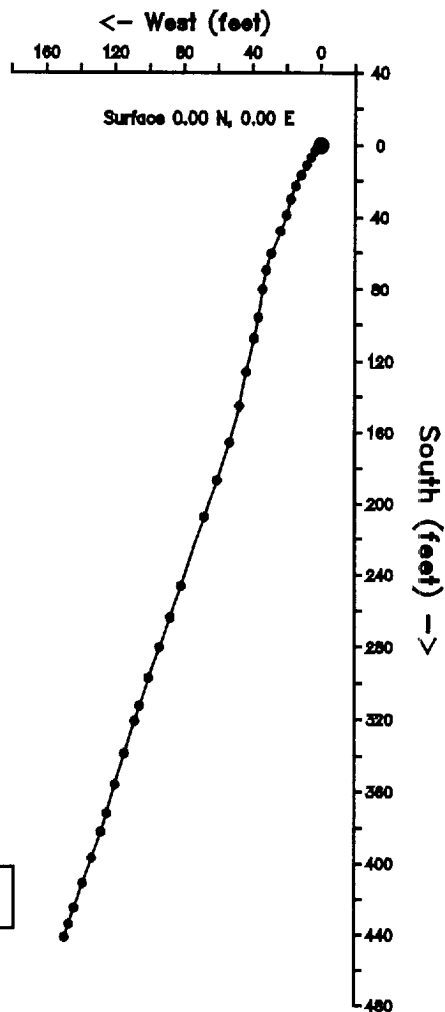
CROSS TIMBERS OPERATING CO.

Structure : Ute Indians A-33

Slot : slot #1

Field :

Location : SAN JUAN COUNTY, NEW MEXICO



BHL
3245' MD, 3202' TVD
441.37°S & 148.87°W of Surface

BHL
3245.00' MD, 3201.86' TVD

Azimuth 198.43 with reference 0.00 N, 0.00 E from slot #1

**BAKER
HUGHES**

INTEQ

Created by foekenet
Date plotted : 20-Apr-2001
Plot Reference to MWD Survey.
Coordinates are in feet reference slot #1.
True Vertical Depths are reference rotary table.

— Baker Hughes INTEQ —



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CROSS TIMBERS OPERATING CO.

Ute Indians A-33

slot #1

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CROSS TIMBERS OPERATING CO.

Structure : Ute Indians A-33

Slot : slot #1

Field :

Location : SAN JUAN COUNTY, NEW MEXICO

